H, I, K, L, M, N, P, Q, R, S, T, V, W and Y; 2 is an equimolar mixture of D and G; and 3 is an equimolar mixture of S and G;

Page 36, lines 10-11. (Amended)

3	YYCA211111111YFDYWG. (1=any amino acid residue, except C; 2 = K and R)	12	3.4 x 1010	.25 .25

IN THE CLAIMS

5. (Amended) A focused library of vectors or genetic packages that display, display and express, or comprise a member of a diverse family of human antibody related peptides, polypeptides and proteins and collectively display, display and express, or comprise at least a portion of the diversity of the antibody family, the vectors or genetic packages being characterized by variegated DNA sequences that encode a heavy chain CDR3 selected from the group consisting of:

(1) YYCA21111YFDYWG, wherein 1 is an equimolar mixture of each amino acid residues A, D, E, F, G, H, I, K, L, M, N, P, Q, R, S, T, V, W and Y; and 2 is an equimolar mixture of K and R;

(2) YYCA2111111YFDYWG, wherein 1 is an equimolar mixture of each amino acid residues A, D, E, F, G, H, I, K, L, M, N, P, Q, R, S, T, V, W and Y; and 2 is an equimolar mixture of K and R;

(3) YYCA211111111YFDYWG, wherein 1 is an equimolar mixture of each amino acid residues A, D, E, F, G, H, I, K, L, M, N, P, Q, R, S, T, V, W and Y; and 2 is an equimolar mixture of K and R;

(4) YYCAR111S2S3111YFDYWG, wherein 1 is an equimolar mixture of each amino acid residues A, D, E, F, G, H, I, K, L, M, N, P, Q, R, S, T, V, W and Y; and 2 is an

equimolar mixture of S and G; and 3 is an equimolar mixture of Y and W;

(5) YYCA2111CSG11CY1YFDYWG, wherein 1 is an equimolar mixture of each amino acid residues A, D, E, F, G, H, I, K, L, M, N, P, Q, R, S, T, V, W and Y; and 2 is an equimolar mixture of K and R;

(6) YYCA211S1TIFG11111YFDYWG, wherein 1 is an equimolar mixture of each amino acid residues A, D, E, F, G, H, I, K, L, M, N, P, Q, R, S, T, V, W and Y; and 2 is an equimolar mixture of K and R;

Q4 (7) YYCAR111YY2S3344111YFDYWG, wherein 1 is an equimolar mixture of each amino acid residues A, D, E, F, G, H, I, K, L, M, N, P, Q, R, S, T, V, W and Y; 2 is an equimolar mixture of D and G; and 3 is an equimolar mixture of S and G;

(8) YYCAR1111YC2231CY111YFDYWG, wherein 1 is an equimolar mixture of each amino acid residues A, D, E, F, G, H, I, K, L, M, N, P, Q, R, S, T, V, W and Y; 2 is an equimolar mixture of S and G; and 3 is an equimolar mixture of T, D and G; and

(9) mixtures of vectors or genetic packages characterized by any of the above DNA sequences.

26. (Amended) A population of variegated DNA sequences that encode a heavy chain CDR3 selected from the group consisting of:

Q5 (1) YYCA21111YFDYWG, wherein 1 is an equimolar mixture of each amino acid residues A, D, E, F, G, H, I, K, L, M, N, P, Q, R, S, T, V, W and Y; and 2 is an equimolar mixture of K and R;

(2) YYCA2111111YFDYWG, wherein 1 is an equimolar mixture of each amino acid residues A, D, E, F, G,

H, I, K, L, M, N, P, Q, R, S, T, V, W and Y; and 2 is an equimolar mixture of K and R;

(3) YYCA211111111YFDYWG, wherein 1 is an equimolar mixture of each amino acid residues A, D, E, F, G, H, I, K, L, M, N, P, Q, R, S, T, V, W and Y; and 2 is an equimolar mixture of K and R;

(4) YYCAR111S2S3111YFDYWG, wherein 1 is an equimolar mixture of each amino acid residues A, D, E, F, G, H, I, K, L, M, N, P, Q, R, S, T, V, W and Y; and 2 is an equimolar mixture of S and G; and 3 is an equimolar mixture of Y and W;

(5) YYCA2111CSG11CY1YFDYWG, wherein 1 is an equimolar mixture of each amino acid residues A, D, E, F, G, H, I, K, L, M, N, P, Q, R, S, T, V, W and Y; and 2 is an equimolar mixture of K and R;

A5 cont.

(6) YYCA211S1TIFG11111YFDYWG, wherein 1 is an equimolar mixture of each amino acid residues A, D, E, F, G, H, I, K, L, M, N, P, Q, R, S, T, V, W and Y; and 2 is an equimolar mixture of K and R;

(7) YYCAR111YY2S3344111YFDYWG, wherein 1 is an equimolar mixture of each amino acid residues A, D, E, F, G, H, I, K, L, M, N, P, Q, R, S, T, V, W and Y; 2 is an equimolar mixture of D and G; and 3 is an equimolar mixture of S and G;

(8) YYCAR1111YC2231CY111YFDYWG, wherein 1 is an equimolar mixture of each amino acid residues A, D, E, F, G, H, I, K, L, M, N, P, Q, R, S, T, V, W and Y; 2 is an equimolar mixture of S and G; and 3 is an equimolar mixture of T, D and G; and

(9) mixtures of variegated DNA sequences characterized by any of the above DNA sequences.